



**Complete Tile Fixing Solution**



## **WATER PROOFING**

**FOR ANY TYPES OF  
BRICKS, BLOCKS, BOARD,  
PLASTER & SURFACE,**

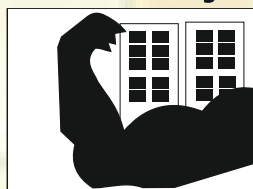
**IT IS USE WITH GYPSUM, CEMENT,  
PLASTER & BOARD.**



**Latest Technology  
Value For Money**



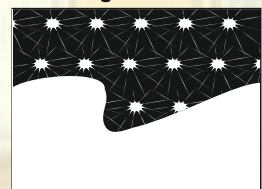
**Durability**



**Reliability**



**Resists Algae &  
Fungus Growth**



# TECHNICAL DATA SHEET

## Home Pride Two Component Water Proofing (Shield Crete)

Home Pride two component water proofing is a high performance acrylic polymer modified cementitious membrane coating for under tile water proofing. it helps safe guards against water penetration as its provides high resistance against long term weathering and is high performer in every climatic condition .

### Advantage of Product:

Economical non-toxic	Protect cementitious board for water penetration
Good water resistance	Protect concrete for water penetration
Durable & can easily applied	Elastomeric quality makes it flexible enough to fill up hairline cracks.
Applied both internally & externally	Good compressive Strength and flexural strength
Protect gypsum for water penetration	Good tensile adhesion strength

### Suitable Surface:

Gypsum ,cementitious boards , glazed surface, cast concrete ,cement plaster, plaster board , moisture resistance grade plaster board ,bricks, blocks, fiber cement board.

### Technical specification of product:

<b>Tensile adhesion Strength (28 Days)</b>	3.2 N/mm <sup>2</sup>
<b>Flexural strength</b>	9 MPa
<b>Compressive strength (28 Days)</b>	61 N/mm <sup>2</sup>
<b>Slant Shear bond</b>	54 MPa
<b>VOC Content</b>	28 g /Lit
<b>Chemical Resistance</b>	Improving in chemical resistance after addition of HPTWP
<b>Colours</b>	White
<b>Self life</b>	One year of date of manufacturing in original tightly sealed container away from direct sun light and excessive heat .
<b>Coverage</b>	Approximately (as a slurry primer ) 2 to 3 m <sup>2</sup> /liter However actual coverage depends on the base surface and finished thickness

**Packing** – 1 kg. (Component A) Polymers & 2/4 Kg. Component (B).

### Blending

A wide range of mix designs is achievable using HPTWP Tentative designs are detailed below -

#### Substrata priming

HPTWP	Clean water	Fresh Cement
1 VOLUME	1 Volume	3 Volume

Note- To obtain a smooth consistency, the cement should be blended slowly into the premixed liquid. The slurry primer should be stirred frequently during use to offset settlement.

# TECHNICAL DATA SHEET

## Patching and repair mortar:

HPTWP	Clean water	Fresh Cement	Grade 16/30 sand	Total	Thickness
4 lit	3 lit	20kg	60kg	37 lit	6 mm-40mm

## Heavy –duty floor screed :

HPTWP	Clean water	Fresh Cement	Grade 16/30 sand	3mm-6mm crushed rock	Total	Thickness	Cohesive consistency
2.5 lit	2.5 lit	20kg	30 kg	30 kgs	38 lit	10-40mm	Semi-dry

## Transferor:

HPTWP	Clean water	Fresh Cement	Grade 16/30 sand	Total	Thickness	Cohesive consistency
2.5 lit	2.5 lit	20kg	60 kg	38 lit	6 -9mm	Semi-dry

## Bonding mortar for tile, etc:

HPTWP	Clean water	Fresh Cement	Grade 16/30 sand	Total	Thickness	Cohesive consistency
4 lit	3 lit	20kg	50 kg	34 lit	6 -40 mm	Semi-dry

Note: These mix designs are based on the use of dry sand and aggregate. In practical adjustment must be made to the water demand relative to the moisture content of the sand and aggregate used.

It should also be noted that, due to the frequently inconsistencies of site-stored materials and variable condition, actual yields and results may differ from those published above.

its is critical allowance is made for the moisture content of the sand and aggregate , particularly where they are stored on site .

## Application:

Ensure that surface is completely free from all dirt, loosely held plaster, powdery residue, oil, grease, or any other contamination, any previous growth fungus, algae or mass need to be removed thoroughly by vigorous wire brushing and cleaning with water. The substrate should be thoroughly soaked with clean water and any excess removed prior to work process.

Saw cut or cut back the extremities of the repair locations to a depth of at least 10 mm to avoid feather - edging and to provide a square edge. Break out the complete repair area to a minimum depth of 6mm up to the sawn edge.

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Steel should be cleaned to a bright condition paying particular attention to the back of exposed steel bars. Where corrosion has occurred due to the presence of chlorides, the steel should be high-pressure washed with clean water immediately after grit-blasting to remove corrosion products from pits and imperfections within its surface.

A slurry primer should be prepared consisting of 1 volume

For application to all surface, HPTWP mortar, toppings and renders must be well-compacted on to the primed substrate by trowel. it is frequently beneficial to work a thin layer of the mortar into the slurry primer and then build the mortar onto this layer . Exposed steel aliment should be completely encapsulated.

HPTWP mortar can be applied at a minimum thickness of 6mm and up to 40 mm thickness, dependent on the location of the confrigment of the repair zone. The thickness achievable in overhead location without the use of formwork is largely dependent on the profile of the substrate .refer to the recommended thickness shown in the mix design section above.

# TECHNICAL DATA SHEET

If the recommended thickness is exceeded and sagging occurs, the affected section must be completely removed and reapplied in accordance with the procedure described above. The use of formwork may facilitate achieving the required build. If formwork is used, it should have properly sealed faces to ensure that no water is absorbed from the repair material.

Where thicker section up to a total thickness of 40mm are to be built up by hand or trowel application, the surface of the intermediate layers should be scratch-keyed and cured with diluted prime application of the slurry primer and a further application of HPTWP mortar may proceed as soon as this layer has set.

## Working in Low temperature

Normal precaution for winter working with cementitious materials should be adopted. If temperature below to 5°C, the use of warm water (up to 30°C) is advisable to accelerate strength of process.

## Working in High temperature

In summer the ambient temperatures above 35°C, the material should be stored in the shade and cool water used for mixing.

Steps	Application process
Step 1	The substrate should be clean & thoroughly soaked with clean water
Step 2	Substrata priming
Step 3	Weight the cement, sand and, where required, aggregate into the mixer and dry blend together for 1 minute with mechanical mixer
Step 4	Add the pre mix HPTWP and clean water. Continue mixing for 3 minutes to ensure complete dispersal in to sand and cement.
Step 5	Addition water should be kept to minimum. Continue mixing up to a maximum of 5 minutes until a smooth and fully homogeneous consistency is achieved with the required workability and application property.
	Application of HPTWP mortar on substrate.
Step 6	For best results allow HPTWP to dry completely for 3 days before tiling the surface.

## Retouching –

HPTWP mortar can be finished with a steel, plastic or wood float, or by a damp sponge technique, to achieve the desired surface texture. The completed surface should not be overworked.

## Cleaning –

HPTWP should be removed from tools, equipment and mixers with clean water immediate after application. Excess Cured material can be removed mechanically.

## Storage –

HPTWP should be stored in a dry store in original, unopened packaging. It should be protected from cold.

## Precautions:

Do not apply the material without cleaning & pre wetting the surface.

Ensure the material is mixed homogeneously with water and allowed to stand 5 minutes before application.

Though the material is non-toxic, care should be taken to avoid dust inhalation while mixing and handling

## Safety features:

Kindly refer to the MSDS for Home Pride HPTWP which gives detailed information on safety measures while handling the product.

It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation. In case of skin contact immediately wash skin with soap and plenty of water. Get medical attention if irritation persists.

May be harmful if swallowed. in case of ingestion seek immediate medical attention

Keep out of reach out of children and away from food, drink

Wear eye protection during application. in case of contact with eyes , rinse immediately with plenty of water and seek medical advice

Do not pour leftover paint down the drain or in water courses

In the event of spills , contain spillage using sand or earth.

Safety data sheet available on request.

## Technical Help:

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